



In class quiz verses online quiz, is one really better?

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Idea and questions:

- To evaluate in class quizzes verses online quizzes.
- **Questions:**
 - Do in class quizzes really assess a students knowledge?
 - Will students that take in class quizzes have better test scores?
 - Can online quizzes assess the students knowledge better or worse?
 - Are quizzes a good predictor of future performance?



Methodology:

- Two and Two
 - Two online quiz classes
 - Two in class quizzes
- Section:
 - Online quizzes: 1.5 hours to complete with notes and book.
 - In class quizzes: 20 minutes, no notes no book.



Quiz Examples: In class quiz



Quiz Example: Online quiz

- Full time PhD students receive an average of \$12837 per year. If the average salaries are normally distributed with standard deviation of \$1500 find the approximate probability that the student makes between \$13000 and \$14000.



Results:

- In class quiz sections:
 - Students came prepared
 - Average lower than online quiz
 - Test scores similar to classes with online quiz
 - Students at times felt pressed for time
- Online quiz sections:
 - Average time to take quiz, 40 minutes
 - Quiz average high



Pros: In class quiz

- Student's must come prepared.
- Student's asked more questions in class.
- Helped to assess student's strengths and weaknesses.
- Student's could ask for clarification during quiz.



Cons: In class quiz

- Loss of class time.
- Average quiz scores lower than other sections.
- Limited on questions that can be asked.
- Time constraints.
- Students stressed.



Pros: Online quiz

- Ability to utilize more class time.
- Ability to discuss deficient content areas as indicated by quiz.
- Students were less stressed.
- Students could use notes and book.
- Ability to put conceptual and longer calculation problems on



Cons: Online quiz

- Students were less prepared.
- Computer problems occurred.
- Less students attempted the quizzes.
- Students were not able to clarify questions asked on the quiz right away.



Future Directions:
